

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E70300

Employer : U.S. Army

Worksite : US Army/Fort Lewis/Madigan Hospital

Street : Hq I Corps And Ft Lewis ATTN: AFZ

Jurisdiction : Unincorporated Pierce County

Survey Date : 12/9/2014

Survey Type : Online

Response Rate : 50%

Drive Alone & One-Way VMT Rates at this Worksite

Employees and Survey Response Information

Drive Alone : 83.5%

Reported Total Employees at Worksite: 1,689

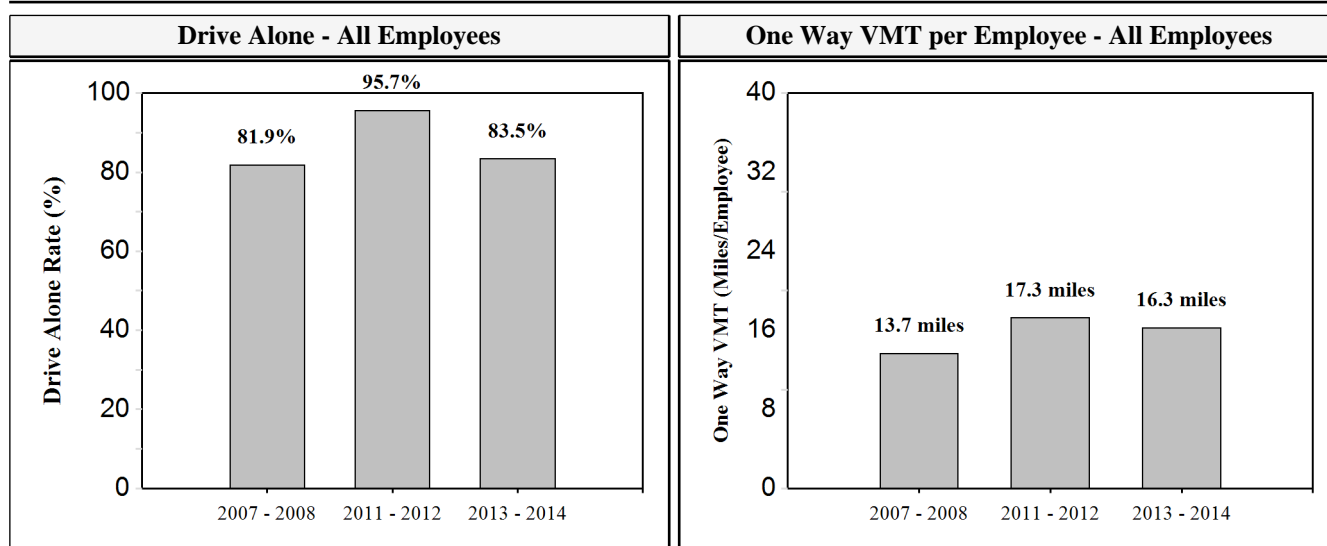
One-Way VMT per employee : 16.3

Surveys Distributed : 1,689

Surveys Returned : 839

Surveys Returned by CTR Affected Employees : 777

Total Estimated CTR - Affected Employees at Worksite : 1,564



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	81.9%	81.1%	13.7	14.0
2009 - 2010	86.8%	86.5%	14.7	14.9
2011 - 2012	95.7%	96.0%	17.3	17.3
2013 - 2014	83.5%	83.2%	16.3	16.1
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	2.0%	2.6%	19.0%	15.0%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2011 - 2012	2011 - 2012 Without Fill In	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	81.9%	95.7%	83.4%	83.5%	76.5%
Drive Alone - CTR Affected Employees*	81.1%	96.0%	83.2%	83.2%	75.5%
VMT/Employee - All Employees	13.7	17.3	15.8	16.3	15.3
VMT/Employees - CTR Affected Employees	14.0	17.3	15.8	16.1	15.1

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2007 - 2008	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	4,380	7,748	2,711
Estimated Emissions for Total Employment	6,863	139,356	5,458

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	38,859	1,757,194	152,191
Bus Annual Passenger Miles - Surveyed Employees	24,800	97,700	75,600
Ferry Annual Passenger Miles - Estimated for Total Employment	0	59,353	39,054
Ferry Annual Passenger Miles - Surveyed Employees	0	3,300	19,400
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	107,914	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	6,000	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

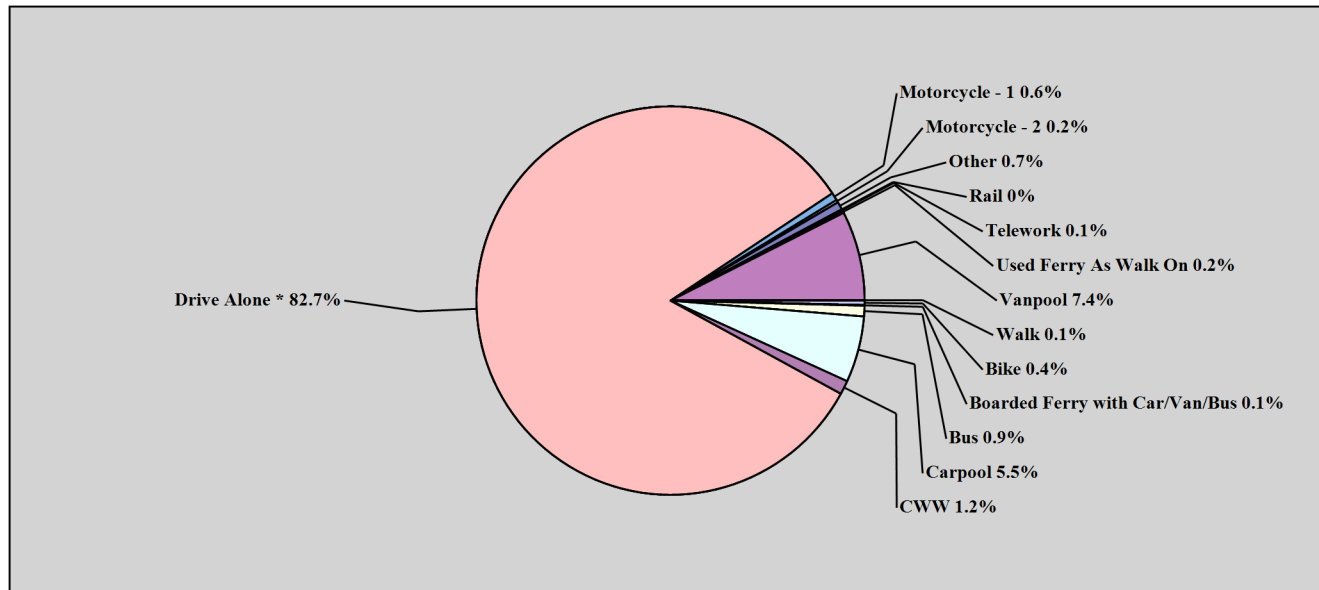
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 18.7 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



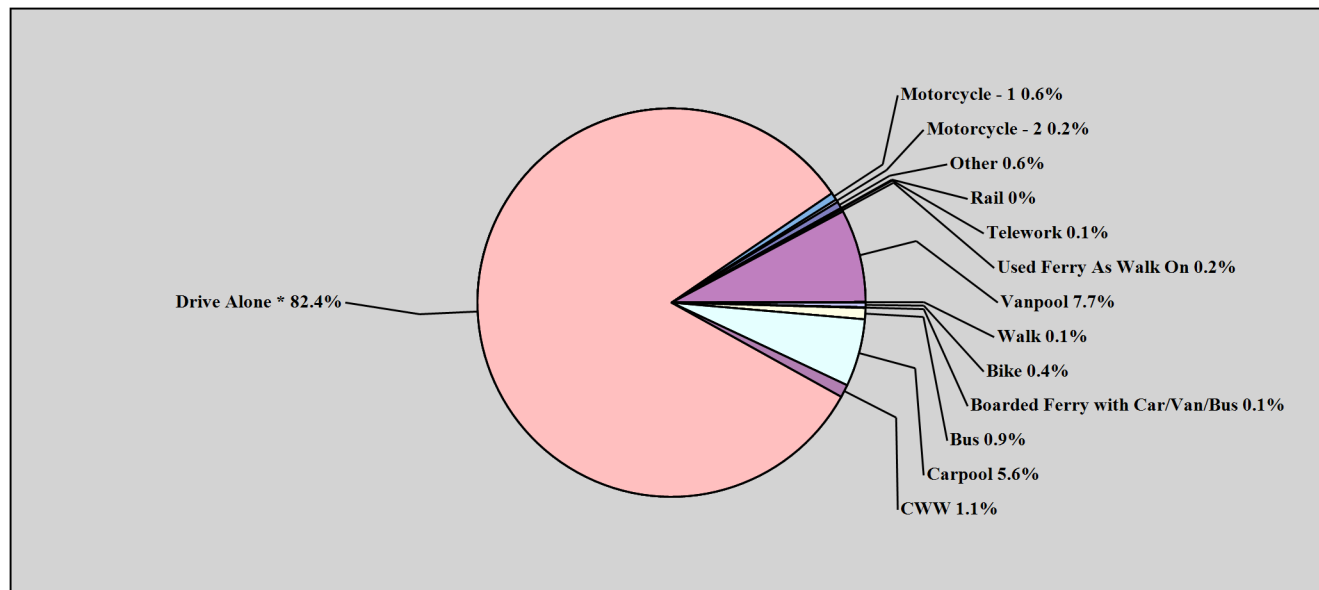
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	4,749	82.7%	95.3%	683	81.4%	85.9%
Carpool	316	5.5%	2.1%	89	10.6%	10.6%
Vanpool	426	7.4%	1.2%	102	12.2%	5.5%
Motorcycle - 1	37	0.6%	0.4%	14	1.7%	2.2%
Motorcycle - 2	13	0.2%	0.0%	8	1.0%	0.1%
Bus	51	0.9%	0.2%	11	1.3%	0.9%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	21	0.4%	0.2%	10	1.2%	1.4%
Walk	3	0.1%	0.1%	2	0.2%	0.5%
Telework	8	0.1%	0.1%	6	0.7%	0.8%
CWW	66	1.2%	0.2%	50	6.0%	3.1%
Boarded Ferry with Car/Van/Bus	3	0.1%	0.0%	2	0.2%	0.1%
Used Ferry As Walk On	10	0.2%	0.0%	2	0.2%	0.0%
Other	38	0.7%	0.1%	14	1.7%	0.9%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	4,499	82.4%	95.7%	626	80.6%	86.0%
Carpool	307	5.6%	1.9%	87	11.2%	10.5%
Vanpool	422	7.7%	1.2%	101	13.0%	6.0%
Motorcycle - 1	34	0.6%	0.4%	13	1.7%	2.3%
Motorcycle - 2	13	0.2%	0.0%	8	1.0%	0.2%
Bus	51	0.9%	0.2%	11	1.4%	0.8%
Rail	0	0.0%	0.0%	0	0.0%	0.1%
Bike	21	0.4%	0.2%	10	1.3%	1.6%
Walk	3	0.1%	0.1%	2	0.3%	0.5%
Telework	7	0.1%	0.1%	5	0.6%	0.8%
CWW	58	1.1%	0.2%	47	6.0%	3.3%
Boarded Ferry with Car/Van/Bus	3	0.1%	0.0%	2	0.3%	0.1%
Used Ferry As Walk On	10	0.2%	0.0%	2	0.3%	0.1%
Other	31	0.6%	0.1%	13	1.7%	0.8%

* Drive alone mode includes fill-in, where applicable.



Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	584	70%	839	100%
1 Days	43	5%	255	30%
2 Days	23	3%	212	25%
3 Days	27	3%	189	23%
4 Days	50	6%	162	19%
5 Days	102	12%	112	13%
6 or More Days	10	1%	10	1%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	394	64.3%	63	10.3%	9	1.5%	50	8.2%	0	0%	53	8.6%	2	0.3%	3	0.5%	120	19.6%
4 days a week (4/10s)	5	9.8%	29	56.9%	1	2%	7	13.7%	0	0%	5	9.8%	0	0%	1	2%	17	33.3%
3 days a week	0	0%	7	87.5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	44	34.6%	30	23.6%	0	0%	6	4.7%	0	0%	33	26%	2	1.6%	0	0%	44	34.6%
7 days in 2 weeks	3	25%	1	8.3%	0	0%	1	8.3%	0	0%	0	0%	0	0%	0	0%	1	8.3%
Other	3	13%	7	30.4%	0	0%	1	4.3%	0	0%	2	8.7%	0	0%	1	4.3%	6	26.1%

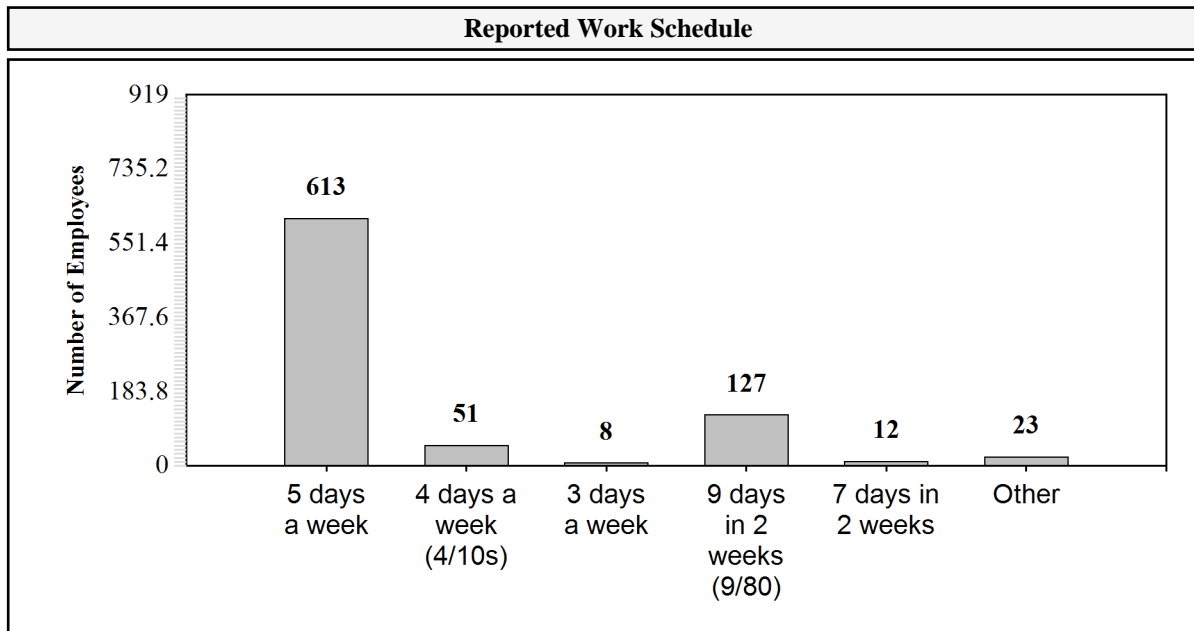
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	47
2	Motorcycle	3
2	Carpool	283
3	Carpool	14
4	Carpool	5
5	Carpool	10
>5	Carpool	4
<5	Vanpool	90
5	Vanpool	169
6	Vanpool	81
7	Vanpool	53
8	Vanpool	14
9	Vanpool	9
10	Vanpool	0
11	Vanpool	5
12	Vanpool	0
13	Vanpool	5
14	Vanpool	0
15	Vanpool	0

Reported Work Schedule - All Employees

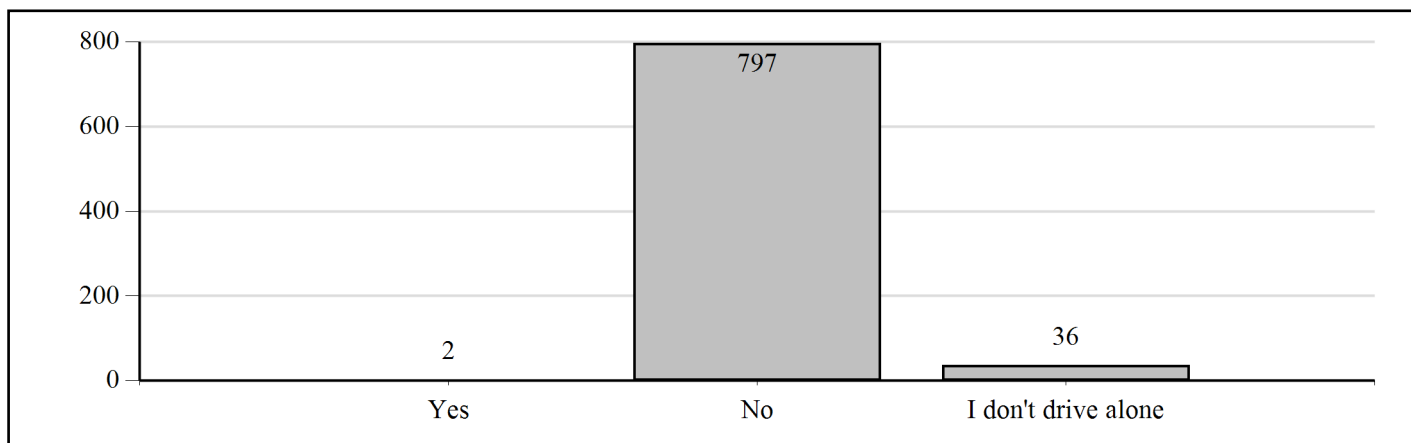
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	613	73.5%
4 days a week (4/10s)	51	6.1%
3 days a week	8	1%
9 days in 2 weeks (9/80)	127	15.2%
7 days in 2 weeks	12	1.4%
Other	23	2.8%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	3	0.4%
I don't telework	796	94.9%
Occasionally, on an as-needed basis	27	3.2%
1-2 days/month	4	0.5%
1 day/week	3	0.4%
2 days/week	3	0.4%
3 days/week	3	0.4%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	348	23.9%
Other	228	15.7%
Financial incentives for carpooling, bicycling or walking.	168	11.5%
Free or subsidized bus, train, vanpool pass or fare benefit	167	11.5%
Personal health or well-being	135	9.3%
Environmental and community benefits	133	9.1%
Driving myself is not an option	68	4.7%
Emergency ride home is provided	58	4.0%
Preferred/reserved carpool/vanpool parking is provided	47	3.2%
Cost of parking or lack of parking	39	2.7%
To save time using the HOV lane	30	2.1%
I have the option of teleworking	30	2.1%
I receive a financial incentive for giving up my parking space	4	0.3%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	460	23.3%
Riding the bus or train is inconvenient or takes too long	367	18.6%
Family care or similar obligations	327	16.5%
Other	262	13.3%
My job requires me to use my car for work	168	8.5%
Bicycling or walking isn't safe	151	7.6%
My commute distance is too short	140	7.1%
I need more information on alternative modes	89	4.5%
There isn't any secure or covered bicycle parking	12	0.6%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	1	0	0	10	5	0	8	8
2	1	0	2	2	0	2	6	1	2	2
3	0	0	1	1	0	3	0	0	0	2
4	0	1	3	0	0	2	0	0	1	2
5	0	0	4	0	0	11	0	1	0	5
6	0	0	1	0	0	5	0	0	0	1
7	0	0	0	0	0	3	0	0	0	0
8	0	0	1	1	1	4	0	0	1	0
9	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	5	1	0	1	1
11 or more	0	0	0	0	0	1	0	0	0	0
# Of Employees using Transit	4	1	13	4	1	46	12	2	13	22
Total One-Way Transit Trips Per Week	5	4	54	15	8	234	27	7	34	76

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	1	0	0	10	5	0	7	7
2	1	0	2	2	0	2	6	1	1	2
3	0	0	1	1	0	3	0	0	0	2
4	0	1	3	0	0	2	0	0	1	2
5	0	0	4	0	0	11	0	1	0	5
6	0	0	1	0	0	5	0	0	0	1
7	0	0	0	0	0	3	0	0	0	0
8	0	0	1	1	1	4	0	0	1	0
9	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	5	1	0	1	1
11 or more	0	0	0	0	0	1	0	0	0	0
# Of Employees using Transit	4	1	13	4	1	46	12	2	11	21
Total One-Way Transit Trips Per Week	5	4	54	15	8	234	27	7	31	75

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	2	0.24%	5	0	0	0	7	0	0	0	0	0	0	0	0
09466	1	0.12%	7	0	0	0	0	0	0	0	0	0	0	0	0
98001	2	0.24%	8	0	0	0	0	0	0	0	0	2	0	0	0
98002	2	0.24%	5	0	5	0	0	0	0	0	0	0	0	0	0
98003	2	0.24%	7	0	0	0	0	0	0	0	0	0	0	0	0
98010	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98020	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98022	3	0.36%	9	0	5	0	0	0	0	0	0	0	0	0	0
98023	2	0.24%	4	0	4	0	0	0	0	0	0	0	0	0	0
98031	1	0.12%	3	0	0	0	0	0	0	0	0	0	0	0	0
98038	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98042	4	0.48%	13	0	4	0	0	0	0	0	0	1	0	0	0
98055	3	0.36%	6	3	5	0	0	0	0	0	0	1	0	0	0
98056	1	0.12%	4	0	0	0	0	0	0	0	1	0	0	0	0
98058	1	0.12%	4	0	0	0	0	0	0	0	0	1	0	0	0
98092	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98105	2	0.24%	5	0	0	0	4	0	0	0	0	0	0	0	0
98168	1	0.12%	0	0	5	0	0	0	0	0	0	0	0	0	0
98188	1	0.12%	0	5	0	0	0	0	0	0	0	0	0	0	0
98198	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98199	2	0.24%	10	0	0	0	0	0	0	0	0	0	0	0	0
98284	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98303	3	0.36%	0	4	0	0	0	0	0	0	0	0	0	10	0
98311	3	0.36%	5	2	0	0	0	0	0	0	0	0	0	0	7
98312	1	0.12%	3	0	0	0	0	0	0	0	0	0	0	0	0
98327	29	3.46%	124	1	4	5	0	0	3	0	0	2	0	0	0



98328	6	0.72%	12	10	8	0	0	0	0	0	0	1	0	0	0
98329	4	0.48%	6	0	12	0	0	0	0	0	0	3	0	0	0
98332	9	1.07%	32	0	4	0	3	0	0	0	0	1	0	0	0
98333	2	0.24%	5	5	0	0	0	0	0	0	0	0	0	0	0
98335	12	1.43%	36	17	9	0	0	0	0	0	0	0	0	0	0
98338	19	2.26%	71	8	5	1	0	0	0	0	0	0	0	0	1
98344	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98349	4	0.48%	2	1	16	0	0	0	0	0	0	0	0	0	0
98351	1	0.12%	0	5	0	0	0	0	0	0	0	0	0	0	0
98354	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98360	3	0.36%	14	0	0	0	0	0	0	0	0	0	0	0	0
98367	4	0.48%	10	0	9	0	0	0	0	0	0	0	0	0	1
98371	13	1.55%	52	1	5	0	0	0	0	0	0	1	0	0	0
98372	2	0.24%	8	0	0	0	0	0	0	0	0	0	0	0	0
98373	11	1.31%	51	2	0	0	0	0	0	0	0	0	0	0	0
98374	25	2.98%	90	14	14	0	0	0	0	0	0	3	0	0	0
98375	27	3.22%	100	9	22	0	0	0	0	0	0	3	0	0	0
98384	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98387	54	6.44%	221	27	8	4	0	0	0	0	0	4	0	0	1
98388	20	2.38%	86	4	0	3	0	0	2	0	0	0	0	0	0
98390	1	0.12%	2	0	3	0	0	0	0	0	0	0	0	0	0
98391	5	0.60%	21	1	4	0	0	0	0	0	0	0	0	0	0
98402	7	0.83%	26	6	0	0	2	0	0	0	0	0	0	0	0
98403	3	0.36%	14	0	0	0	0	0	0	0	0	1	0	0	0
98404	9	1.07%	40	0	4	0	0	0	0	0	0	0	0	0	0
98405	3	0.36%	14	0	0	0	0	0	0	0	0	0	0	0	0
98406	6	0.72%	18	3	5	0	0	0	0	0	0	0	0	0	5
98407	12	1.43%	56	0	0	0	0	0	3	0	0	2	0	0	0
98408	7	0.83%	27	2	0	3	0	0	0	0	0	1	0	0	0
98409	10	1.19%	38	5	0	0	5	0	0	0	0	0	0	0	0
98418	6	0.72%	17	0	5	0	4	0	0	0	0	0	0	0	0
98422	5	0.60%	19	0	0	0	0	0	0	0	0	0	0	0	0
98424	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98431	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98433	9	1.07%	44	1	0	0	0	0	0	0	0	0	0	0	0
98439	5	0.60%	24	0	0	0	0	0	0	0	0	0	0	0	0
98444	11	1.31%	48	1	0	0	0	0	0	0	0	2	0	0	0



98445	24	2.86%	83	5	13	5	6	0	0	0	2	4	0	0	0
98446	3	0.36%	10	0	4	0	0	0	0	0	0	1	0	0	0
98465	2	0.24%	5	0	5	0	0	0	0	0	0	0	0	0	0
98466	20	2.38%	83	4	2	0	0	0	0	0	1	1	0	0	0
98467	16	1.91%	64	9	0	0	0	0	2	0	0	0	0	0	0
98496	2	0.24%	11	0	0	0	0	0	0	0	0	0	0	0	0
98498	49	5.84%	211	5	0	1	6	0	5	0	0	0	0	0	5
98499	25	2.98%	99	5	0	7	14	0	1	0	0	1	0	0	0
98501	33	3.93%	99	22	33	0	0	0	0	2	0	7	0	0	0
98502	9	1.07%	36	3	4	0	0	0	0	0	0	1	0	0	0
98503	53	6.32%	173	24	45	1	0	0	0	0	1	6	0	0	1
98506	11	1.31%	35	0	9	3	0	0	0	0	0	1	0	0	0
98509	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98511	1	0.12%	0	2	0	0	0	0	0	0	0	0	0	0	0
98512	10	1.19%	28	8	3	3	0	0	0	0	0	5	0	0	0
98513	54	6.44%	176	47	22	2	0	0	0	0	0	5	2	0	8
98516	38	4.53%	119	10	37	2	0	0	3	0	0	4	0	0	0
98531	2	0.24%	4	0	3	0	0	0	0	0	0	0	0	0	2
98532	3	0.36%	10	0	5	0	0	0	0	0	0	0	0	0	0
98541	1	0.12%	6	0	0	0	0	0	0	0	0	0	0	0	0
98552	1	0.12%	0	0	0	0	0	0	1	1	1	1	1	0	0
98557	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98558	3	0.36%	7	5	0	2	0	0	0	0	0	0	0	0	0
98568	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98569	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98576	4	0.48%	18	0	0	0	0	0	0	0	0	0	0	0	0
98580	17	2.03%	66	10	0	5	0	0	0	0	0	0	0	0	1
98584	4	0.48%	10	4	4	0	0	0	0	0	0	0	0	0	0
98587	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98589	2	0.24%	3	0	5	0	0	0	0	0	2	0	0	0	0
98597	51	6.08%	159	16	67	3	0	0	1	0	0	0	0	0	6
98599	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98632	1	0.12%	2	0	0	0	0	0	0	0	0	0	0	0	0
98637	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98901	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0